MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

SUPPLEMENTARY EXAMINATION

TRIMESTER 1, 2015/2016

MID1043 – Multimodal Interaction Design

(All sections / Groups)

19 NOV 2015
2.30 PM – 4.30 PM
(2 HOURS)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 3 pages with 3 Questions only .

2. Answer ALL THREE questions. All questions carry equal marks and the distribution of the marks for each question is given.

3. Please print all your answers in the Answer Booklet provided .

ANSWER ALL 4 QUESTIONS (Total 40 marks)

1 (A) There are situations where auditory displays are used for various types of users and under different situations.

Justify the reasons for having auditory displays, and support with various examples.

(5 marks)

(B) (i) Digital Audio Workstation (DAW) is one type of digital audio. Explain what DAW is about.

(3 marks)

(ii) Please provide the components of DAW.

(7 marks)

(Total: 15 marks)

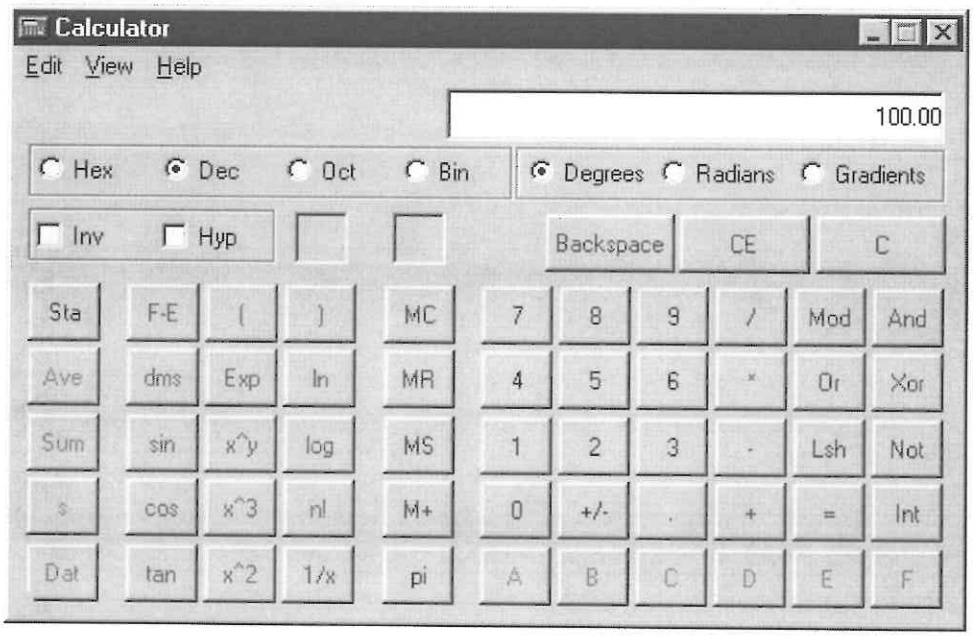
Continued...

2. (A) There are four characteristics of direct manipulation for Graphical User Interface. Explain in details the four characteristics of direct manipulation.

(4 marks)

(B) Describe how and whether the four characteristics are applied in the digital scientific calculator below on a computer. Provide some suggestions if the user interface and functions are not matching and within the expectation for users.

(6 marks)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(Total: 10 marks)

Continued...

3. A) Define the term of 'multimodal interaction'.

(1 mark)

B) List down the 5 senses of modality and each of its modes of interaction.

(10 marks)

C) Provide examples of interfaces with different modes of interaction.

Explain how those examples of interfaces help to solve human problems in daily life, and also improve the quality of life for targeted users.

(4 marks)

(Total: 15 marks)

End of Paper.